

Remarks

Claims 1, 4, 7, 40, 41 and 46-50 are pending in the subject application and currently before the Examiner for consideration. By way of this amendment, claims 1, 4, 7, 40, 41 and 46-50 have been amended (support for the amendments made to the claims can be found, for example, at the paragraph bridging pages 30-31). Favorable consideration of the pending claims is respectfully requested.

As an initial matter, Applicants would like to thank Examiner Lin for the courtesy of the telephonic conference conducted on February 12, 2007. Applicants respectfully submit that the amendments to the claims and the remarks presented herein are in accordance with the substance of the telephonic conference conducted with the Examiner and that such amendments place the subject application in condition for allowance.

Claims 1, 4, 7, 40, 41, and 46-50 remain rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter. The Office Action indicates that the claims are drawn to a mathematical algorithm. Accordingly, the claims must include a physical transformation step or a useful, tangible and concrete result in order for the invention to be statutory. The Office Action also argues that the instant claims are drawn to methods, systems or programmed storage devices that are not necessarily a computer program or machine. Applicants respectfully assert that the claims are not directed to non-statutory subject matter. However, by this Amendment, the claims have been amended to add a step of outputting the results obtained during the analyzing step or outputting results obtained during the execution of instructions. Thus, it is respectfully submitted that the claimed inventions correspond to statutory subject matter and reconsideration and withdrawal of the rejection under 35 U.S.C. § 101 is respectfully requested.

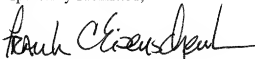
Applicants expressly reserve the right to pursue the invention(s) disclosed in the subject application, including any subject matter canceled or not pursued during prosecution of the subject application, in a related application.

Applicants believe that the currently pending claims are in condition for allowance, and such action is respectfully requested.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 or 1.17 as required by this paper to Deposit Account No. 19-0065.

Applicants invite the Examiner to call the undersigned if clarification is needed on any of this response, or if the Examiner believes a telephonic interview would expedite the prosecution of the subject application to completion.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Frank C. Eisenschenk", with a long horizontal flourish extending to the right.

Frank C. Eisenschenk, Ph.D.

Patent Attorney

Registration No. 45,332

Phone No.: 352-375-8100

Fax No.: 352-372-5800

Address: P.O. Box 142950
Gainesville, FL 32614-2950

FCE/sl